



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



December 4, 2006

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

COMPLIANCE SERVICES INTERNATIONAL
EU ANTIFOULING COPPER TASKFORCE
7501 BRIDGEPORT WAY W.
LAKEWOOD, WA 98499-2423

Report of Analysis for Compliance with PR Notice 86-5

Thank you for your submittal of 29-NOV-06. Our staff has completed a preliminary analysis of the material. The results are provided as follows:

Your submittal was found to be in full compliance with the standards for submission of data contained in PR Notice 86-5. A copy of your bibliography is enclosed, annotated with Master Record ID's (MRIDs) assigned to each document submitted. Please use these numbers in all future references to these documents. Thank you for your cooperation. If you have any questions concerning this data submission, please raise them with the cognizant Product Manager, to whom the data have been released.

TRANSMITTAL DOCUMENT
European Union Antifouling Copper Task Force
Copper Re-Registration

Submitted studies are in support of Copper Re-Registration and do not necessarily fall into specific EPA test guidelines. Studies are grouped according to general study type.

Developmental Research into the Effects of Copper Bioavailability

***Study No. 1:* COPPER: Marine Fate and Effects Assessment**

46996101 Title: **COPPER: Marine Fate and Effects Assessment**
Guidelines: None, Monitoring Report
Authors: Long, K.W.J.
Laboratory: CSI Europe
Date: November 28, 2006
Pages: 55
Volumes: 1

***Study No. 2:* **Copper speciation in samples collected from a Finnish marina;**
Commercial in Confidence**

46996102 Title: Copper speciation in samples collected from a Finnish marina;
Guidelines: None, Monitoring Report
Author: Brooks, S
Laboratory: Cefas Burnham Laboratory
Date: September 18, 2006
Pages: 26
Volumes: 1

***Study No. 3* **Copper speciation and toxicity to the development of the mussel**
embryo; Commercial in Confidence**

46996103 Title: Copper speciation and toxicity to the development of the mussel embryo;
Commercial in Confidence
Guidelines: None, Research Report
Author: Brooks, S
Laboratory: Cefas Burnham Laboratory
Date: September 8, 2006
Pages: 17
Volumes: 1

Study No. 4 The effects of dissolved organic carbon on the toxicity of Copper to the embryo of the pacific oyster; Commercial in Confidence

46996104 Title: The effects of dissolved organic carbon on the toxicity of Copper to the embryo of the pacific oyster; Commercial in Confidence
 Guidelines: None, Research Report
 Author: Brooks, S
 Laboratory: Cefas Burnham Laboratory
 Date: September 8, 2006
 Pages: 39
 Volumes: 1

Study No. 5 The effects of dissolved organic carbon on the toxicity of Copper to the marine macroalgae *Fucus vesiculosus*; Commercial in Confidence

46996105 Title: The effects of dissolved organic carbon on the toxicity of Copper to the marine macroalgae *Fucus vesiculosus*; Commercial in Confidence
 Guidelines: None, Research Report
 Author: Brooks, S
 Laboratory: Cefas Burnham Laboratory
 Date: September 8, 2006
 Pages: 34
 Volumes: 1

Study No. 6 Determination of effects on the development and reproduction of the marine copepod *Tisbe battagliai*; Commercial in Confidence

46996106 Title: Determination of effects on the development and reproduction of the marine copepod *Tisbe battagliai*; Commercial in Confidence
 Guidelines: Based on OECD draft Guideline: Harpacticoid Copepod Development and Reproduction Test (version dated April 2005)
 Author: Williams, T.D., Hayfield, A.J
 Laboratory: Brixham Environmental Laboratory
 Date: September 8, 2006
 Pages: 74
 Volumes: 1

Study No. 7 Copper: Toxicity to the marine alga *Skeletonema costatum*. Commercial in Confidence

46996107 Title: **Copper: Toxicity to the marine alga *Skeletonema costatum*.** Commercial in Confidence
 Guidelines: ISO 10253, Marine Algae Growth Inhibition Test
 Author: Smyth, D.V.
 Laboratory: Brixham Environmental Laboratory
 Date: September 21, 2006
 Pages: 30
 Volumes: 1

Study No. 8 **Copper: Toxicity to the marine alga *Phaeodactylum tricornutum*.**
Commercial in Confidence

46996108 Title: Copper: Toxicity to the marine alga *Phaeodactylum tricornutum*. Commercial in Confidence
Guidelines: ISO 10253, Marine Algae Growth Inhibition Test
Author: Smyth, D.V.
Laboratory: Brixham Environmental Laboratory
Date: September 21, 2006
Pages: 28
Volumes: 1

Study No. 9 **Copper: Determination of the toxicity to the larvae of the Sea Urchin (*Paracentrotus lividus*);** Commercial in Confidence

46996109 Title: **Copper: Determination of the toxicity to the larvae of the Sea Urchin (*Paracentrotus lividus*);** Commercial in Confidence
Guidelines: ASTM E-1563-98
Author: Hurd, K.S.
Laboratory: Brixham Environmental Laboratory
Date: October 11, 2006
Pages: 27
Volumes: 1

Study No. 10 **Copper: Determination of the effects on the embryo larval development of the Sheepshead Minnow (*Cyprinodon variegates*);** Commercial in Confidence

46996110 Title: **Copper: Determination of the effects on the embryo larval development of the Sheepshead Minnow (*Cyprinodon variegates*);** Commercial in Confidence
Guidelines: OECD 210: Fish Early Life Stage Toxicity (Ref 1)
Author: Hurd, K.S.
Laboratory: Brixham Environmental Laboratory
Date: October 16, 2006
Pages: 47
Volumes: 1